

	Hits	Search Text	DBs
1	2	pantothenate near10 bacillus	USPAT; US - PGPUB; EPO; JPO; DERWENT
2	6	pantothenate and pane	USPAT; US - PGPUB; EPO; JPO; DERWENT

	L #	Hits	Search Text	DBs
1	L1	9	(2-dehydropanoate adj 2-reductase) or (2-oxopantoate or 2-ketopantoate or ketopantoate) adj reductase) or (2-ketopantoic adj acid adj DERWEN reductase) or (ketopantoic T adj acid adj reductase)	USPAT; US-PGP UB; EPO; JPO;
2	L2	5	ll and (bacillus or subtilis)	USPAT; US-PGP UB; EPO; JPO; DERWEN T
3	L3	27425	yocum.in. or patterson.in. or hermann.in. or pero.in.	USPAT; US-PGP UB; EPO; JPO; DERWEN T
4	L4	7	13 and ketopantoate	USPAT; US-PGP UB; EPO; JPO; DERWEN T

	L #	Hits	Search Text	DBs
5	L5	20	13 and pantothenate °	USPAT; US - PGP UB; EPO; JPO; DERWEN T

09/667,569 SEARCH RESULTS/HISTORY

(FILE 'HOME' ENTERED AT 13:53:06 ON 03 MAR 2003)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPUS, DDFB, DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 13:53:19 ON 03 MAR 2003

SEA (2-DEHYDROPANTOATE (W) 2-REDUCTASE) OR ((2-OXOPANTOATE OR 2

1 FILE BIOBUSINESS
17 FILE BIOSIS
8 FILE BIOTECHABS
8 FILE BIOTECHDS
10 FILE BIOTECHNO
47 FILE CAPLUS
1 FILE CEABA-VTB
2 FILE DGENE
10 FILE EMBASE
7 FILE ESBIOBASE
2 FILE FROSTI
1 FILE FSTA
57 FILE GENBANK
4 FILE IFIPAT
5 FILE JICST-EPLUS
9 FILE LIFESCI
10 FILE MEDLINE
4 FILE PASCAL
13 FILE SCISEARCH
10 FILE TOXCENTER
6 FILE USPATFULL
7 FILE WPIDS
7 FILE WPINDEX

L1 QUE (2-DEHYDROPANTOATE (W) 2-REDUCTASE) OR ((2-OXOPANTOATE OR 2

FILE 'MEDLINE, AGRICOLA, CAPLUS, BIOSIS, EMBASE, WPIDS' ENTERED AT
14:01:11 ON 03 MAR 2003

L2 91 S (2-DEHYDROPANTOATE (W) 2-REDUCTASE) OR ((2-OXOPANTOATE OR 2-K
L3 14 S L2 AND (BACILLUS OR SUBTILIS)
L4 8 DUP REM L3 (6 DUPLICATES REMOVED)

=>



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Library
of Medicine



PubMed	Nucleotide	Protein	Genome	Structure	PMC	Taxonomy	OMIM	Bo
Search PubMed	<input checked="" type="checkbox"/> for #2 AND subtilis						Preview	Go
<input type="button" value="Clear"/>				<input type="button" value="Limits"/> <input type="button" value="Preview/Index"/> <input type="button" value="History"/> <input type="button" value="Clipboard"/> <input type="button" value="Details"/>				

- Search History will be lost after one hour of inactivity.
- To combine searches use # before search number, e.g., #2 AND #6.
- Search numbers may not be continuous; all searches are represented.

Entrez PubMed

Search	Most Recent Queries	Time	Result
	#6 Search #2 AND subtilis	13:50:51	4
	#4 Search #2 AND #3	13:49:48	9
	#3 Search bacillus	13:49:28	40238
PubMed Services	#2 Related Articles for PubMed (Select 4603075)	13:49:14	452
	#1 Search king and wilken and ketopantoic	13:49:04	2

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IUBMB Enzyme Nomenclature**EC 1.1.1.169**

< Common name: 2-dehydropantoate 2-reductase

Reaction: (R)-pantoate + NADP = 2-dehydropantoate + NADPH₂

Glossary:

pantoate = 2,4-dihydroxy-3,3-dimethylbutanoate

Other name(s): 2-oxopantoate reductase; 2-ketopantoate reductase; 2-ketopantoic acid reductase;
ketopantoate reductase; ketopantoic acid reductase

Systematic name: (R)-pantoate:NADP 2-oxidoreductase

Links to other databases: [BRENDA](#), [EXPASY](#), [KEGG](#), [WIT](#), CAS registry number: 37211-74-8

References:

1. King, H.L., Jr. and Wilken, D.R. Ketopantoyl lactone and ketopantoic acid reductases. Characterization of the reactions and purification of two forms of ketopantoyl lactone reductase. *J. Biol. Chem.* 247 (1972) 4689-4695.

[EC 1.1.1.169 created 1976]

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USED AS SEARCH TERMS